

Sizing Worksheet-Rotary Motors

In order to assist us at H2W Technologies in selecting the right limited angle torquer or rotary motor for your specific application please answer as many of the following questions as you are can and fax this sheet to (661)-702-9348 or email to info@h2wtech.com
If you would rather talk directly to one of our engineers, please call toll free (888)-702-0540 from 8:00 AM to 6:00 PM Pacific Standard time.

Name: _____

Title: _____

Company: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

1. What is your total angular excursion (degrees)? _____

2. What is the inertia of your payload (oz-in-sec)? _____

3. What is the required speed (rpm)? _____

4. What is the time required to complete the rotation (sec)? _____

5. What is the required angular acceleration (rad/sec²)? _____

6. What continuous torque is required oz-in or [N-cm]? _____

7. What peak torque is required (oz-in or [N-cm])? _____

8. What is the duty cycle for torque or acceleration chosen above (%)? _____

9. Is position feedback required? _____ What resolution? _____

10. What is the required accuracy (arc-sec or degrees)? _____

11. What is the required repeatability (arc-sec or degrees)? _____

12. What is the available continuous current (amps)? _____ peak current? _____ Voltage (vdc)? _____

13. What are the ambient conditions and environment of the application?

14. Please describe to us in as much detail as possible about your application in the space provided below (or on a separate sheet). Please include any sketches, CAD drawings, velocity profiles, or system specifications you may have.

This is usually enough information to get us going with the selection process. One of our engineers will contact you directly to discuss your application in detail and determine which one of our products will best suit your requirements.